PICO MACOM®
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PICO MACOM
5 YEAR WARRANTY
INDUSTRY LEADING • UNLIMITED • INDUSTRY LEADING • UNLIMITED

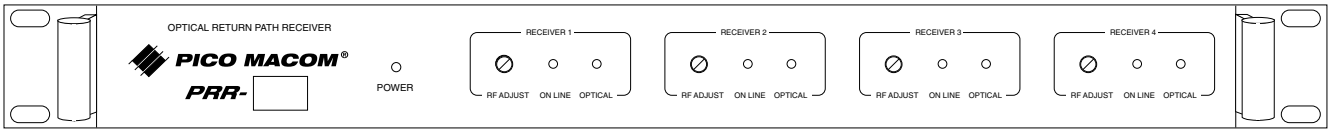
PRR *Series* | Optical Return Receivers

The Pico Macom **PRR** series optical return receivers are densely populated receiver units that take an optical input from a return transmitter and convert it to a 5~200MHz RF signal. Designed to meet CATV applications, each **PRR** Series receiver has a wide (-2dBm to 0dBm) optical input range that enables it to maintain a high-output RF level with negligible distortion. These optical receivers utilize a new low noise, impedance matched, high efficiency 1310/1550nm broadband photodiode and advanced RF amplification circuitry to facilitate carriage of critical downstream video, data, telephony and Internet traffic in an HFC broadband environment.

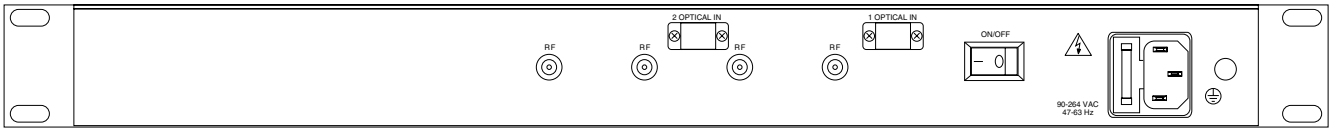
Features

- Available in 1, 2 and 4-receiver configurations.
- Optical power monitoring.
- 5~200MHz return bandwidth for CATV return path.
- High 45dBmV RF output at an optical wavelength of 1310/1550nm provides excellent C/N ratio.
- -20dB RF system test point to monitor the RF output of the receiver.
- Low power consumption.
- Wide optical window of -2dBm to 0dBm for improved system performance.

6260 Sequence Drive San Diego, CA 92121
Ph: 858-546-5050 Toll Free: 800-421-6511 Fax: 858-546-5051



Front View



Rear View of PRR-2

Specifications

Optical Wavelength:	1290nm/1600nm
Optical Input Range:	-2dBm to 0dBm
Optical Connector Type:	SC/APC(FC/APC Optional)
RF Frequency Range:	50~200MHz
RF Output Level:	45dBmV
RF Output Impedance:	75Ω
In-Band Flatness:	±1dB
Output Return Loss:	≥15dB
Carrier-to-Noise Ratio (CNR)*:	≥50dB
Composite Second Order (CSO)*:	≥60dB
Composite Triple Beat (CTB)*:	≤65dB
Power Consumption (typical):	30 watts
Operating Temperature:	0~50°C
Storage Temperature:	-20~+65°C
Relative Humidity:	<10%
Dimensions:	19″W x 13″D x 1RU
Weight:	7.15 lbs **PRR-1**
	7.50 lbs **PRR-2**
	8.15 lbs **PRR-4**

Ordering Information

PRR-1	Single Optical Return Receiver
PRR-2	Dual Optical Return Receiver
PRR-4	Quad Optical Return Receiver

* Test results are typical and were performed at our San Diego test center.